

In-place Preservation of File System Objects During a Disk Clone Operation

ABSTRACT OF THE DISCLOSURE

A cloning manager preserves in-place file system objects
5 (103) during a clone operation. The cloning manager (101)
determines boundaries (105) of a file system (107) to be created
by the clone operation, and identifies at least one protected
area (113) within the boundaries (105), reserved for the file
system (107). The cloning manager (101) also identifies at
10 least one in-place file system object (103) within or
overlapping the boundaries (105) to be preserved during the
clone operation. The cloning manager (101) ensures that each
object (103) to be preserved is not located in a protected area
(113), shifting (203) the objects (103) as necessary. The
15 cloning manager (101) creates the file system (107) during the
clone operation only in locations that do not contain objects
(103) to be preserved.